1	2	3	4	5
	KSEB, Kerala			
46.	Thottiar KSEB, Kerala	State	40	2011-12
47.	NewUmtru MeSEB, Meghalaya	State	40	2011-12
48.	Tangu Romai@ PCP/IPP, Himachal Pradesh	Private	50	2011-12
49.	Lambadug@ IPP, Himachal Pradesh	Private	25	2011-12
50.	Tidong-I@ PCP/IPP, Himachal Pradesh	Private	100	2011-12
51.	UBDC-III@ Malana P.Co, Punjab	Private	75	2011-12
52.	Sadamander@ Gati, Sikkim	Private	71	2011-12
53.	Bhasmey@ Gati, Sikkim	Private	51	2011-12
	Sub-Total		2015	
	TotaL		16553	

Generation of Thermal Power

†693. SHRI JAI PRAKASH AGGARWAL: Will the, Minister of POWER be pleased to state:

(a) whether target fixed for thermal power generation has been achieved in accordance with installed capacity of thermal power projects, during the last five years, till date;

(b) the details of those thermal power projects which have achieved the fixed target; and

(c) the details of those projects which are generating lesser electricity than their installed capacity and the reasons therefor?

THE MINISTER OF POWER (SHRI SUSHIL KUMAR SHINDE): (a) Generation targets are fixed for various thermal power stations on annual basis keeping in view their installed capacity, age of units, past performance, planned outages, availability of fuel and its quality, etc. The overall achievement in thermal generation in 10th Plan has been about 99% of the generation taget. Year-wise details of achievement of generation target of thermal power generation during the 10th Plan are given below:—

Year	Thermal Generation (% of Target)	Growth rate of total Generation (%)
2002-03	100.67	3.1
2003-04	98.77	5.0
2004-05	99.94	*52*
2005-06	97.18	5.1
20064)7	97.8	6.1

†Original notice of the question was received in Hindi.

(b) Details of thermal power plants which have achieved their target for generation during the 10th Plan period are given in Statement-I *(See* below)

(c) Details of thermal power plants which have not achieved their targets for generation during the 10th Plan Period and reasons therefor are given in Statement-II.

Statement-I

Thermal Power Stations which have achieved target of generation during 10th Plan period

Station	State	Capacity (MW) (As On 31-03-07)	2002-03 Remarks	2003-04 Remarks	2004-05 Remarks	2005-06 Remarks	2006-07 Remarks
1	2	3	4	5	6	7	8
Coal/Lignite/Multifuel based							
Central							
Badarpur	Delhi	720	Yes	Yes	Yes	Yes	Yes
Tanda	Uttar Pradesh	440	Yes	Yes	Yes	Yes	Yes
Korba S.T.R.S.	Chattisgarh	2100	Yes	Yes	Yes	Yes	Yes
Vindhyachal S.T.P.S.	Madhya Pradesh	3260	Yes	Yes	Yes	Yes	Yes
Ramagundam STPS	Andhra Pradesh	2600	Yes	Yes	Yes	Yes	Yes
Simadri STPS	Andhra Pradesh	1000	Yes	Yes	Yes	Yes	Yes
Singrauli	Uttar Pradesh	2000	Yes	Yes	Yes	Yes	*
Unchahar	Uttar Pradesh	1050	*	Yes	Yes	Yes	Yes
Kahalgaon STPS	Bihar	840	Yes	Yes	Yes	Yes	*
Talcher Old	Orissa	470	*	Yes	Yes	Yes	Yes
Talcher STPP	Orissa	3000	Yes	Yes	*	Yes	Yes
Riband	Uttar Pradesh	2000	Yes	Yes	*	*	Yes
Dadri (NCTPP)	Uttar Pradesh	840	*	*	Yes	Yes	Yes
Chandrapura	Jharkhand	780	*	*	Yes	Yes	Yes
Farakka STPS	West Bengal	1600	Yes	Yes	*	Yes	*
Durgapur	West Bengal	350	*	Yes	*	*	Yes
Mejia	West bengal	1090	Yes	Yes	*	*	*
Bokaro B	Jharkhand	630	Yes	*	*	*	*
Neyveli I	Tamil Nadu	600	Yes	Yes	Yes	Yes	*
Neyveli FST Ext.	Tamil Nadu	*420*	*	*	Yes	Yes	Yes
Neyveli II	Tamil Nadu		Yes	Yes	*	*	*

1	2	3	4	5	6	7	8
State							
Vijayawada	Andhra Pradesh	1260	Yes	Yes	Yes	Yes	Yes
Bakreswar	West Bengal	630	Yes	Yes	Yes	Yes	Yes
Guru Nanak Dev T.P. (Bhatinda)	Punjab	440	Yes	Yes	*	Yes	Yes
Guru Harkrishan T.P. (Lehra Mohabbat)	Punjab	420	*	Yes	Yes	Yes	Yes
Suratgarh	Rajasthan	1250	Yes	*	Yes	Yes	Yes
Wonakabori	Gujarat	1260	Yes	Yes	Yes	*	Yes
Wanakobri (Unit-7)	Gujarat	210	Yes	Yes	*	Yes	Yes
Satpura	Madhya Pradesh	1142.5	Yes	Yes	Yes	Yes	*
Khaperkheda II	Maharashtra	840	Yes	Yes	Yes	*	Yes
IB Valley	Orissa	420	*	Yes	Yes	Yes	Yes
Durgapur Porjects Limited	West Bengal	395	Yes	Yes	Yes	Yes	»
Panipat	Haryana	1360	Yes	Yes	*	•	Yes
Roper	Punjab	1260	*	*	Yes	Yes	Yes
Kota	Rajasthan	1045	Yes	*	Yes	Yes	*
Panki	Uttar Pradesh	220	Yes	Yes	Yes	*	*
Anpara	Uttar Pradesh	1630	*	Yes	Yes	*	Yes
Korba II	Chattisgarh	200	*	*	Yes	Yes	Yes
Korba III	Chattisgarh	240	Yes	Yes	*	Yes	*
Ukai	Gujarat	850	Yes	*	Yes	Yes	*
Parli	Maharashtra	690	Yes	*	Yes	Yes	*
Kothagudam (NEW)	Andhra Pradesh	500	Yes	Yes	Yes	*	*
Royal Seema	Andhra Pradesh	630	Yes	Yes	Yes	*	*
Raichur	Karnataka	1470	Yes	Yes	*	*	Yes
Mettur	Tamil Nadu	840	Yes	Yes	*	*	Yes
Santaldih	West Bengal	480	Yes	*	Yes	*	Yes
Kolaghat	West Bengal	1260	*	*	Yes	Yes	Yes
IP. Station	Delhi	247.5	*	*	Yes	*	Yes
Korba West	Chattisgarh	840	*	Yes	*	*	Yes
Gandhi Nagar (Unit-5	Gujarat	210	Yes	*	*	Yes	*

1	2	3	4	5	6	7	8
Amarkantak Extn.	Madhya Pradesh	240	Yes	*	*	*	Yes
Birsinghpur (Sanjay Gandhi)	Madhya Pradesh	840	Yes	*	Yes	*	*
Nasik	Maharashtra	910	Yes	»	*	*	Yes
Paras	Maharashtra	62.5	*	Yes	*	Yes	*
Kothagudam	Andhra Pradesh	680	Yes	*	Yes	*	*
Ramagudam B	Andhra Pradesh	62.5	*	Yes	Yes	*	*
Tuticorin	Tamil Nadu	1050	Yes	Yes	*	*	*
Faridabad Ext.	Haryana	180	Yes	*	*	*	*
Obra	Uttar Pradesh	1550	Yes	*	*	*	*
Paricha	Uttar Pradesh	640	Yes	*	*	*	*
Dhuvaran	Gujarat	534	*	*	Yes	*	*
Gandhi Nagar	Gujarat	660	Yes	*	*	*	*
Sikka	Gujarat	240	*	*	Yes	*	*
Amarkantak	Madhya	60	Yes	*	*	*	*
Chandrapur	Maharashtra	2340	*	Yes	*	*	*
Nellore	Andhra Pradesh	0	*	*	Yes	*	-
North Chennai	Tamil Nadu	630	*	*	*	*	Yes
Patratu	Jharkhand	840	Yes	*	*	*	*
Tenughat	Jharkhand	420	*	*	*	*	Yes
Rajghat	Delhi	135	*	*	*	*	*
Guru Harkrishan II (Lehra	Punjab	0	-	-	-	-	* *
*Giral TPP	Rajasthan	125	-	-	-	-	*
Harduagang	Uttar Pradesh	340	*	*	*	*	*
Korba East V	Chattisgarh	0	-	-	-	-	*
Koradi	Maharashtra	1100	*	*	*	*	*
Paras Exp.	Maharashtra	0	-	-	-	-	*
Bhusawal	Maharashtra	482.5	*	*	*	*	*
Parli Extn.	Maharashtra	250	-	-	-	-	*
Bellary TPP	Karnataka	0	-	*	-	-	*
Ennore	Tamil Nadu	450	*	*	*	*	*
Barauni	Bihar	320	*	*	*	*	*
Muzaffarpur	Bihar	220	*	*	$	*	*
Bandel	West Bengal	450	*	*	*	*	*
Sagardighi TPP	West Bengal	0	-	-	-		

1	2	3	4	5	6	7	8
Kutch Lignite	Gujarat	290	Yes	Yes	Yes	Yes	Yes
Akrimota	Gujarat	250	-	-	Yes	Yes	Yes
Private							
Torrent Power	Gujarat	330	Yes	Yes	Yes	Yes	Yes
Sabarmati							
Dahanu	Maharashtra	500	Yes	Yes	Yes	Yes	Yes
Budge Budge	West Bengal	500	Yes	Yes	Yes	Yes	Yes
Torrent Power AECO	Gujarat	60	Yes	Yes	*	Yes	Yes
Titagarh	West Bengal	240	*	Yes	Yes	Yes	Yes
Southern Replacement	West Bengal	135	Yes	Yes	Yes	*	Yes
Torangallu	Karnataka	260	Yes	*	*	Yes	Yes
New Cossipore	West Bengal	160	*	*	Yes	Yes	Yes
Dishergarh	West Bengal	14.2	$	$	Yes	Yes	Yes
Trombay	Maharashtra	1150	Yes	*	Yes	*	*
Chinakuri	West Bengal	20	$	$	Yes	*	•
Mullajore	West Bengal	0	*	*	Retired	Retired	Retired
Surat Lignite	Gujarat	250	*	Yes	Yes	Yes	Yes
Neyveli (Z)	Tamil Nadu	250	Yes	*	*	*	Yes
Gas based							
Central							
Agartala GT	Tripura	84	Yes	Yes	Yes	Yes	Yes
Kathalguri GT	Assam	291	*	Yes	Yes	Yes	Yes
Dadri GT	Uttar Pradesh	817	*	*	Yes	Yes	Yes
Gandhar GT.	Gujarat	648	*	*	Yes	Yes	Yes
Faridabad CCGT	Haryana	430	*	*	Yes	Yes	*
Anta GT	Rajasthan	413	*	*	*	Yes	Yes
Auriaya GT	Uttar Pradesh	652	*	*	*	Yes	Yes
Kawas GT.	Gujarat	644	Yes	*	*	*	*
Kayamkulam	Kerala	350	Yes	*	*	*	*
Maithon GT	Jharkhand	90	*	*	$	$	$
Ratnagiri GT-II	Maharashtra	740	-	-	-	-	Yes
Ratnagiri GT-III	Maharashtra	740	-	-	-	-	*
State							
Karaikal	Pondicherry	32.5	Yes	Yes	Yes	Yes	Yes
I.P.G.T	Delhi	180	Yes	Yes	*	Yes	Yes
Utran GT	Gujarat	144	Yes	*	Yes	Yes	Yes
Uran GT	Maharashtra	672	Yes	Yes	Yes	*	Yes
Uran WHP	Maharashtra	240	Yes	Yes	Yes	*	Yes
Valuthur GT	Tamil Nadu	94	Yes	Yes	*	Yes	Yes

1	2	3	4	5	6	7	8
Vijeswaran	Andhra Pradesh	272	Yes	Yes	Yes	*	
Kovikalappal	Tamil Nadu	107	*	Yes	Yes	*	Yes
Namrup GT	Assam	81.5	*	Yes	Yes	Yes	*
Baramura GT	Tripura	21	*	*	Yes	Yes	Yes
Pragati CCGT	Delhi	330.4	*	Yes	Yes	*	*
Ramgarh CCGT	Rajasthan	113.8	*	*	Yes	Yes	*
Haziira CCPP	Gujarat	156.1	*	*	Yes	Yes	*
Lakwa GT	Assam	120	*	*	*	Yes	Yes
I.P. WHP	Delhi	102	Yes	*	*	*	*
Dhuvaran CCGT	Gujarat	178.6	*	*	Yes	*	*
Kuttalam GT	Tamil Nadu	100	$	*	*	Yes	*
Rokhia GT	Tripura	90	*	*	Yes	*	*
Dholpur CCGT .	Rajasthan	0	-	-	-	-	*
Namrup ST	Assam	30	$	*	*	*	*
Namrup WHP	Assam	22	$	*	*	*	*
Pampore GT	Jammu & Kashmir	175	Yes	Yes	Yes	Yes	*
Basin Bridge GT	Tamil Nadu	120	Yes	*	*	Yes	*
Private							
Baroda (GIPCL-I&II)	Gujarat	305	Yes	*	Yes	Yes	*
Peguthan GTE. Corp.	Gujarat	655	Yes	Yes	*	Yes	*
Trombay GT	Maharashtra	180	*	Yes	Yes	*	*
Torrent Power	Gujarat	100	*	*	Yes	*	*
Vatwa GT							
Peddapuram CCGT	Andhra Pradesh	220	*	*	*	*	Yes
P. Nallur CCGT	Tamil Nadu	330.5	Yes	*	*	*	*
Jegurupadu CCGT	Andhra Pradesh	455.4	*	*	*	*	*
Kondapalli GT	Andhra Pradesh	350	*	*	*	*	*
Godavari GT	Andhra Pradesh	208	*	*	*	*	*
Vemagiri CCGT	Andhra Pradesh	370	-	-	-	*	*
Karuppur	Tamil Nadu	119.8	-	-	*	*	*
Valantharvi CCP	Tamil Nadu	52.8	-	-	*	*	*
DLF Power Co.	Assam	24.5	*	*	*	*	*
Reliance Energy	Goa	48	-	-	Yes	Yes	Yes
Cochin CCGT	Kerala	174	*	Yes	*	*	Yes
Tanir Bavi CCGT	Karnataka	220	*	*	*	*	*

Yes' Generation as per targets
* Generation below targets
$ Targets not fixed
- Not applicable
Note: Exclude diesel plants

Statement-II

Thermal Power Stations Which Have Not Achieved Target of Generation During 10 th Plan Period

Station	Capacity: as on 31/03/07(MW)	Year	Reason for low generation
1	2	3	4
Coal Based			
Central Sector			
Singrauli	2000	2006-07	Extended planned maintenance of unit No. 6 resulting in marginal shortfall
Rihand	2000	2004-05	Only marginal shortage
		2005-06	Shortage of coal
Unchahar	1050	2002-03	Long duration forced outage of unit-1 due to grid failure
Dadri (NCTPP)	840	2002-03	Long forced outages of units of Units-2&4
		2003-04	Forced outages of unit-4
Neyveli I	600	2006-07	Marginal shortfall.
Neyveli II	1470	2004-05	Heavy rain fall hampering operations and overburden in mines
		2005-06	Backing down due to high hydro generation
		2006-07	Rescheduling of mtc. in stage-I. Restricted supply of lignite due to non-availability of land for mining.
Neyveli FST Ext	420	2002-03	Misc. operational problems.
		2003-04	Forced outages due to lignite problems
Chandrapura	780	2002-03	Forced outages of unit-3-4,5,6
		2003-04	Forced outages of unit-3,4,5,6
Durgapur	350	2002-03	Forced outages of unit-3,4
		2004-05	High forced outages & partial unavailability
		2005-06	Marginal shortfall
Bokaro B	630	2003-04	Forced outages of unit-2,3 of stage-B
		2004-05	Forced outages of unit-2 of stage-B
		2005-06	Frequent outages due to BTL & problem in coal feeding arrangement
		2006-07	Extended AM of unit-1, forced outages of unit-2
Mejia	840	2004-05	Marginal shortfall
		2005-06	Marginal shortfall
		2006-07	Forced outages of unit-1, Extended CM of unit-2, Extended AM of unit-4, late syn of unit-5 and unit-6 not syn

1	2	3	4
Talcher Old	470	2002-03	Forced outages of unit-3,4,5
Talcher STPP	3000	2004-05	Marginal shortfall
Farakka STPS	1600	2004-05	Forced outages of unit-5 due to turbine bearing porblem
		2006-07	Water shortage caused by release of Ganga water to Bangladesh
Kahalgaon STPS	840	2006-07	Forced outages of unit-1, new units 5,6,7 not synchronized
State Sector			
IP. Station	247.5	2002-03	Forced outages of unit-5
		2003-04	Various forced outages of unit-2,4,5
		2005-06	Unscheduled maintenance of unit-3 and unit-4 on partial load due to forced outage
		2006-07	Extended planned maintenance of unit-4
Faridabad Ext.	180	2003-04	Forced outages due to Boiler feed pump
		2004-05	Excessive backing down
		2005-06	Marginal shortfall
		2006-07	Partial loading due to poor raw water quality and forced outage of unit-1
Panipat	1360	2004-05	Extended forced outage of unit-2, extended planned shutdown of unit-4, non-stabilisation of new unit-7&8
		2005-06	Forced outage of unit-2, long shutdown of unit-3, frequent grid disturbances during June'05, forced outages of unit-7
Guru Nanak Dev	440	2004-05	Marginal shortfall
T.P. (Bbatinda)			
Guru Harkrishan	420	2002-03	Newly commissioned units
T.P. (Lehra Mohabbat)			
Guru Harkrishan	0	2006-07	New units not yet synchronized
T.P II (Lehra Mohabbat)			
Roper	1260	2002-03	Marginal shortfall
		2003-04	Marginal shortfall
Kota	1045	2003-04	Forced outages of unit-4,5
Suratgarh	1250	2003-04	Forced outages of unit-1
Giral TPP	0	2006-07	New unit not yet synchronized
Obra	1550	2003-04	Forced outages of unit-6
		2004-05	Forced outages of unit-6
		2005-06	Marginal shortage
		2006-07	Unscheduled maintenance of unit-12

1	2	3	4
Panki	220	2005-06	Marginal shortfall
		2006-07	Unscheduled capital maintenance of unit-3
Harduaganj	450	2002-03	Various forced outages of unit-1,4,5,6,7
		2003-04	Forced outages of unit-3
		2004-05	Extended planned maintenance
		2005-06	Shutdown of unit-7
		2006-07	Unscheduled maintenance of unit-5 & forced outage of unit No.4
Paricha	640	2003-04	Forced outage & partial unavailability
		2004-05	Marginal shortfall
		2005-06	Forced outage & partial unavailability
		2006-07	New unit-3&4 remained out of bar for-completion of residual works
Anpara	1630	2002-03	Forced outage of unit-3
		2005-06	Forced outage of unit-4
Korba II	200	2002-03	Forced outage of unit-2
		2003-04	Forced outage due to generator transformer
Korba III	240	2004-05	Extended maintenance of unit-5 and loan restrictions due to frequent forced outages
		2006-07	Forced outages of unit-1,2
Korba East IV	0	2006-07	New unit not yet synchronzed
Korba West	840	2002-03	Marginal shortfall
		2004-05	Extended maintenance of unit-3&4
		2005-06	Partial loading on unit-3&4
Dhuvaran	534	2002-03	Partial loading and frequent forced outages due to old machines
		2003-04	Partial loading and frequent forced outages due to old machines
		2005-06	Partial loading and frequent forced outages due to old machines
		2006-07	Uneconomical operation being old units. Units 1 to 4 closed w.e.f. 23.9.06 by GSECL. Restricted load on unit-5&6
Ukai	850	2003-04	Forced outage of unit-1,2
		2006-07	Frequent forced outages
Gandhi Nagar	660	2003-04	Frequent forced outages of unit-l&2
		2004-05	Frequent forced outages and load restrictions due to various problems
		2005-06	Partial loading and frequent forced outages of unit-1,3,4
		2006-07	Frequent forced outages

1	2	3	4
Wonakabori	1260	2005-06	Partial loading and frequent forced outages of unit-1,4,6
Sikka	240	2002-03	Extended forced outage of unit-2
		2003-04	Frequent forced outages of unit-1 &2
		2005-06	Partial loading and frequent forced outages of unit-1
		2006-07	Forced outage and restricted load on unit-1
Akrimota	250	2004-05	Delay in synchronization of units
(Lignite)			
		2005-06	Stabilization problems due to lignite feeder, evacuation system etc.
		2006-07	Stabilization problems due to lignite feeder, evacuation system etc. legal disputes with manufacturer
Gandhi	210	2003-04	Marginal shortfall
Nagar (Units-5)			
		2004-05	Major work of repairing of bottom ash hopper structure
		2006-07	Extended capital maintenance
Wanakobri(Unit-7)	210	2004-05	Marginal shortfall
		2006-07	Marginal shortfall
Satpura	1142.5	2006-07	Frequent tripping of unit-6
Amarkantak	60	2003-04	Forced outages due to milling system failure
		2004-05	Partial loading and frequent forced outages
		2005-06	Frequent forced outages of both units
		2006-07	Forced outages of both units due to Gen. Transformer & Coal mill system failure
Amarkantak Extn.	240	2003-04	Partial loading and frequent forced outages
		2004-05	Frequent forced outages due to ageing
		2005-06	Partial loading and frequent forced outages
Birsinghpur	840	2003-04	Marginal shortfall
(Sanjay Gandhi)		2005-06	Partial loading and frequent forced outages
		2006-07	New unit not yet synchronized
Nasik	910	2003-04	Forced outage due to super heater leakage
		2004-05	Generator transformer problem in unit-5
		2005-06	Outage of generator transformer of unit-5 and frequent forced outages
Khapeitheda II	840	2005-06	Wet coal problem during July 05
Paras	62.5	2002-03	Forced outage of unit-2 due to turbine bearing problem

1	2	3	4
		2004-05	Marginal shortfall
		2006-07	Marginal shortfall
Parli	690	2003-04	Station transformer failure
		2006-07	Rescheduling of maintenance of unit-5
Parli Extn.	0	2006-07	New unit not yet synchronized
Chandrapur	2340	2002-03	High partial unavailability
		2004-05	Marginal shortfall
		2005-06	Extended maintenance of unit-5
		2006-07	Forced outages of unit-7, extended re-erection work of unit-5
Kothagudam	680	2003-04	Frequent forced outage of unit-2 and due to fire in unit-7
		2005-06	Partial loading due to collapse of 220KV tower. Heavy monsoon lead to lower thermal generation
		2006-07	Various forced outages of unit-1,3,5,6,7
Kothagudam (New)	500	2005-06	Forced outage of unit 2 due to Transmission constraints.
		2006-07	Unscheduled maintenance of unit 2
Vijayawada	1260	2006-07	Rescheduling of annual maintenance due to generator transformer failure of unit-6
Ramagudam B	62.5	2002-03	Long forced outage
		2005-06	Marginal shortfall
		2006-07	Extended R & M works
Nellore	0	2002-03	Long forced outage
		2003-04	Outages due to various misc. reasons
		2005-06	Project closed from 23.4.05
Rayal Seema	420	2005-06	Extended capital maintenance of unit-2 and frequent focrced outages
		2006-07	Foced outages of unit-1 due to stator earth fault, new unit-4 not sync.
Raichur	1470	2004-05	Heavy monsoon lead to lower thermal generation.
		2005-06	Heavy monsoon lead to lower thermal generation and less coal supply due to strike
Bellary TPP	0	2006-07	New unit not yet synchronized

1	2	3	4
Tuticorin	1050	2004-05	Marginal shortfall
		2005-06	Heavy monsoon lead to lower thermal generation
		2006-07	Partial loss due to higher grid frequency
Mettur	840	2004-05	Marginal shortfall
		2005-06	Heavy monsoon lead to lower thermal generation
North Chennai	630	2002-03	Forced outage due to rotor earth fault in unit-2
		2003-04	Forced outage due to stator earth fault in unit-1
		2004-05	Forced outage of generator transformer failure of unit-1
		2005-06	Partial loading due to fire in turbine bay and axial shift
Muzaffarpur	220	2002-03	Various forced outages
		2003-04	Various forced outages
		2005-06	Delay in R&M works
		2006-07	Both units under shutdown despite committing target for generation from unit-1
Patratu	840	2003-04	Fire in power station and various forced outages
		2004-05	Frequent forced outages of units-5,6,8,10
		2005-06	Major R&M works required
		2006-07	Various forced outages and extended repairs
Tenughat	420	2002-03	Various forced outages
		2003-04	Extended forced outages of units-1,2
		2004-05	Frequent forced outages of units-1&2
		2005-06	Extended shutdown of units-2
IB Valley	420	2002-03	High partial unavailability
		2006-07	Poor quality coal
Durgapur Projects	395	2006-07	Forced outages of unit-1,4 & 6 due to high Turbine Vibrations, new unit-7 not syn.
Santaldih	480	2003-04	Various forced outages of unit-2,3,4
		2005-06	Non-availability of unit-2&.) due to various forced outages.
Kolaghat	1260	2002-03	Various forced outages
		2003-04	Various forced outages of unit-1,4,6
Namrup ST	30	2003-04	Forced outage due to cable gallery fire in unit-5
		2004-05	Forced outage of unit-5
		2005-06	Re-run after long closure
		2006-07	Emergency capital overhauling of unit-3. Various forced outages of unit-4.5

1	2	3	4
Borigaigaon	240	2002-03	Plant clsoed down
Bhusawal	482.5	All years	High forced outage and partial unavailability
Ennore	450	All years	High forced outage and partial unavailability
Barauni	320	All years	Old machines major R&M works in progress
Bandel	450	All years	High forced outage and partial unavailability
Rajghat	135	All years	High forced outage/partial unavailability
Koradi	1100	All years	High forced outage/partial unavailability, fire in cable gallery in 2004-05
Kutch lignite	215	All years	High forced outage/partial unavailability
Private Sector			
Torrent Power	60	2004-05	Marginal shortfall
AECO			
Surat Lignite	250	2002-03	Marginal shortfall
Trombay	1150	2003-04	Specific reasons not available
		2005-06	do
		2006-07	Operational problems
Neyveli (Z)	250	2003-04	Marginal shortfall
		2004-05	do
		2005-06	do
New Cossipore	160	2002-03	Marginal shortfall
		2003-04	do
Titagarh	240	2002-03	do
Southern	135	2005-06	Negligible shortfall
Replacement		2006-07	Negligible shortfall
Budge Budge	500	2006-07	Marginal shortfall
Chinakuri	20	2005-06	do
		2006-07	do
Mulajore	0	2002-03	Outages due to various misc. reasons
		2003-04	Permanently closed on 15th May' 04
Jindal	260	2003-04	Less injection to the grid
(Karnataka)			-
		2004-05	Less injection to the grid
Tata PCL (Jojobera	360	2005-06	Less injection to the grid
Import)			
		2006-07	Less injection to the grid
NALCO Import	0	2005-06	Less injection to the grid
ICCL Import	0	2005-06	do
		2006-07	do

1	2	3	4
Gas Based			
Central Sector			
Faridabad CCGT	430	2002-03	Shortage of gas & low schedule on liquid fuel
		2003-04	do
		2006-07	do
Anta GT	413	2002-03	shortage of gas
		2003-04	do
		2004-05	do
Auriya GT	652	2002-03	Shortage of gas & low schedule on liquid fuel
		2003-04	do
		2004-05	do
Dadri GT	817	2002-03	Shortage of gas & low schedule on liquid fuel
		2003-04	do
Kawas GT	644	2003-04	Shortage of gas & low schedule on liquid fuel
		2004-05	do
		2005-06	do
		2006-07	do
Gandhar GT	648	2002-03	Shortage of gas & low schedule on liquid fuel
		2003-04	do
Kayamkulam	350	2003-04	Low schedule on liquid fuel-costly power
		2004-05	do
		2005-06	do
		2006-07	do
Maithon GT	90	2002-03	Low operation due to costly power
		2003-04	do
		2006-07	do
Kathalguri	29	2002-03	Used as per requirement
State Sector			
I.P.G.T	180	2004-05	Shortage of gas
I.P.WHP	102	2004-05	Shortage of gas
		2003-04	do
		2005-06	do
		2006-07	do
Pragati CCGT	330.4	2002-03	Shortage of gas
		2005-06	do
		2006-07	do
Ramgarh CCGT	113.8	2002-03	Used as per requirement

1	2	3	4
		2003-04	do
		2006-07	do
Dholpur CCGT	0	2006-07	New unit-not yet synchronized
Uttan GT	144	2003-04	Shortage of gas
Dhuvaran CCGT	178.6	2002-03	Newly commissioned units
		2003-04	Marginal shortfall
		2005-06	Shortage of gas
		2006-07	do
Haziira CCPP	156.1	2002-03	Shortage of gas
		2003-04	do
		2006-07	do
Vijeswaram	272	2005-06	Marginal shortfall
		2006-07	do
Basin Bridge GT	120	2003-04	Used for peeking purpose
		2004-05	do
		2006-07	do
Valuthur GT	94	2004-05	Marginal shortfall
Kuttalam GT	100	2003-04	Used for picking purpose
		2004-05	Marginal shortfall
		2006-07	do
Kovikalappal	107	2002-03	Marginal shortfall
		2005-06	do
		2006-07	do
Namrup GT	81.5	All Years	Marginal shortfall
Namrup WHP	22	All Years	Marginal shortfall
Lakwa GT	120	2002-03	Marginal shortfall
		2003-04	do
		2004-05	do
Baramura GT	21	2002-03	do
		2003-04	do
Rokhia GT	90	2002-03	do
		2003-04	do
		2005-06	do
		2006-07	do
Private Sector			
Torrent Power Vatwa GT	100	2002-03	Low schedule
		2003-04	do
		2005-06	Marginal shortfall
		2006-07	do

1	2	3	4
Baroda (G1PCL I&II)	305	2003-04	do
Pcgulhan G.T.E.	655	2004-05	Marginal shortfall
Corp.			
		2006-07	do
Ratnagiri GT-I	740	2006-07	Constraints of supply of LNG/Costly power
Trombay GT	180	2002-03	Marginal shortfall
		2005-06	do
		2006-07	do
Gautami CCPP	0	2005-06	New station (not yet commissioned)
		2006-07	do
Konaseema	0	2005-06	New station (not yet commissioned)
		2006-07	do
Vemagiri CCGT	370	2005-06	New station
		2006-07	Low schedule
Cochin CCGT	174	2002-03	Sparingly used-costly power
		2004-05	do
		2005-06	do
Karuppur	1 19 8	2004-05	New station-Delay in syschronization
		2005-06	Low schedule
		2006-07	Marginal shortfall
P.Nallur CCGT	330.5	2003-04	Low schedule
		2004-05	do
		2005-06	do
		2006-07	do
Valantharvi CCP	52.8	2004-05	New station-Delay in synchronization
		2005-06	Low schedule
		2006-07	Maginal shortfall
Adamtilla	24.500	All years	Used as per requirement
GT(DLF Power Co)			
Essar	515	2003-04	Less injection by Essar to the grid
Tanir Bavi GT	220	All years	Used as per requirement
Peddapuram	220	All years	Used as per requirement
CCGT			
Jegurupadu CCGT	455.4	All years	Used as per requirement
Kondapalli CCGT	350	All years	Used as per requirement
Godavari CCGT	208	All years	Used as per requirement

Note: Exclude diesel power plants.